

RAW SEQUENCE LISTING

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Application Serial Number: 10/586, 998A
Source: JFWO
Date Processed by STIC: 3/26/2007

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RAW SEQUENCE LISTING DATE: 03/26/2007
PATENT APPLICATION: US/10/586,998A **TIME:** 15:27:08

Input Set : N:\efs\03_26_07\10586998A_efs\313866SequenceListing.txt
Output Set: N:\CRF4\03262007\J586998A.raw

5 <110> APPLICANT: Icon Genetics AG
7 Marillonnet, Sylvestre
9 Thoeringer, Carola
11 Klimyuk, Victor
13 Gleba, Yuri
17 <120> TITLE OF INVENTION: Two-component RNA virus-derived plant expression system
21 <130> FILE REFERENCE: 049202/313866
25 <140> CURRENT APPLICATION NUMBER: US 10/586,998A
C--> 27 <141> CURRENT FILING DATE: 2006-07-21
31 <150> PRIOR APPLICATION NUMBER: EP 04 001 460
33 <151> PRIOR FILING DATE: 2004-01-23
37 <160> NUMBER OF SEQ ID NOS: 20
41 <170> SOFTWARE: PatentIn version 3.1
45 <210> SEQ ID NO: 1
47 <211> LENGTH: 124
49 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
57 <223> OTHER INFORMATION: chemically synthesized
59 <400> SEQUENCE: 1
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64 acag 124
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77 <220> FEATURE:
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86 ttgttctatg ttttag 136
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93 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
101 <223> OTHER INFORMATION: chemically synthesized
103 <400> SEQUENCE: 3
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108 gtggtatattt tgtttaatt attgctacag 150

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123 <223> OTHER INFORMATION: chemically synthesized
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128 tgagaaatct gtatgttttgcgtgaaatg agtttgctt ttggtttctc ccgtgttata      120
130 g
133 <210> SEQ ID NO: 5
135 <211> LENGTH: 136
137 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
145 <223> OTHER INFORMATION: chemically synthesized
147 <400> SEQUENCE: 5
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152 ttgtatgggt acgcag
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205 <213> ORGANISM: Artificial Sequence
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280 gattttgcag      130
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287 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
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295 <223> OTHER INFORMATION: chemically synthesized
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317 <223> OTHER INFORMATION: chemically synthesized
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322 aatatctaag ctcggctgca agcacatca agacgtcggt cacttagaa agttacgcga      120
324 gtcttgc gacgtagcta gtaacttgc caactgcgc tacttctcac agtttagatga      180

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326	ggccgttgct gaggtccaca agactgcggt	cgaggctcc ttcgcgttct gtagcatcat	240
328	caaatacttg tcagacaaga ggctgttcag	ggacctgttc ttctgtcag ttgacgaatt	300
330	c		301
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352	aactcttcag gaagaagtat gttaacttct	gtggcggtta tgttatttac catgatagag	180
354	gagccattgt gtattacgt ccgcattaaac	taatatctaa gtttaggtgt aaacatatta	240
356	gagatgttgt tcacttagaa gagttacgcg	agtctttgtg tgatgttagct agtaacttaa	300
358	ataattgtgc gtattttca cagttagatg	aggccgttgc cgaggttcat aagaccgcgg	360
360	taggcggttc gtttgcgttt tgtagtataa	ttaagtattt gtcagataag agattgttta	420
362	gagatgttgt ctgttttga taatgtcgat	agtctcgatc gaacctaagg tgagtgttta	480
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369	<211> LENGTH: 636		
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384	agcaacatca tcaagtacgt gtgcaagacg	ttctccctg ctgtcaacg cttcgtgtac	120
386	cacaaggagt tcctggcac tagagtcaac	acttggtaact gcaagttcac gagagtggat	180
388	acgttcactc tggtccgtgg tgtgtaccac	aacaatgtgg attgcgaaga gtttacaag	240
390	gctatggacg atgcgtggca ctacaaaaag	acgttagcaa tgcttaatgc cgagaggacc	300
392	atcttcaagg ataacgctgc gttaaacttt	tggttcccga aagttagaga catggttac	360
394	gtccctctct ttgacgttca ttcacaaact	ggtaggatgt ctaggagaga gtttatggtg	420
396	aacaaggact tcgtctcac ggtcttaaat	cacatcaaga cctatcaagc taaggactg	480
398	acgtacgcaa acgtgctgag cttcgtggag	tctatttagt ctagagtcat aattaacggt	540
400	gtcaactgcca ggtctgaatg ggacacagac	aaggaattc tagtccatt agcaatgaca	600
402	ttcttcctga tcacgaagct gggcatgtg	caagat	636
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417	<223> OTHER INFORMATION: chemically synthesized		
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422	taatatctaa gctcgctgc aagcacatca	gagacgtcg gcacttagaa gagttacgcg	120
424	agtctttgtg cgacgttagct agtaacttga	acaactgcgc ctacttctca cagttagatg	180
426	aggccgttgc tgaggtccac aagactgcgg	tcggaggctc cttcgcgttc tgttagcatca	240
428	tcaaatactt gtcagacaag aggctttca	gggacctgtt cttcgtctga gttgacg	297

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431 <210> SEQ ID NO: 17
433 <211> LENGTH: 1419
435 <212> TYPE: DNA
437 <213> ORGANISM: Artificial Sequence
441 <220> FEATURE:
443 <223> OTHER INFORMATION: genetically engineered sequence containing fragment derived from

444 Arabidopsis thaliana

446 <400> SEQUENCE: 17

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449 ttccaatcg	gtgatcttc	caaacctcta	gaagagtca	agaagtacta	caacgcatta	120
451 tccgagctat	cagtgcgtga	aatctcgac	tcttttact	tagaggcg	taaagacttta	180
453 tgtcagcaga	agaatgtgga	cccggatatg	gcagcaaaagg	taaatccctgg	tccacacttt	240
455 tacgataaaaa	acacaagatt	ttaaaactatg	aactgatcaa	taatcattcc	taaaagacca	300
457 caaccttgtt	ttgttctaa	agtaattttt	actgttataa	caggtggtcg	tagcaatcat	360
459 gaagtcgaaa	ttgacgttgc	ctttcaagaa	acctacagaa	gaggaaatct	cggagtgcgt	420
461 aaaaccagga	gaggggtcgt	gtgcagagca	taaggaagtg	tttagcttac	aaaatgtatgc	480
463 tccgttcccc	tgtgtaaaaa	atctagttga	aggttccgtg	ccggcgtatg	gaatgtgtcc	540
465 taagggttgtt	ggtttcgaca	aattggatgt	ggacattgct	gatttccatc	tcaagagtgt	600
467 agatgcagtt	aaaaaggaa	ctatgatgtc	tgcgtgtac	acagggtcta	tcaaagttca	660
469 acaaatgaag	aactacatag	attacttaag	tgcgtcgctg	gcagctacag	tctcaaacc	720
471 ctgcaaggta	agaggtcaaa	aggttccgc	aatgatccct	cttttttgt	ttctctagtt	780
473 tcaagaattt	gggttatatga	ctaacttctg	agtttccctt	gatgcattatt	tgtgatgaga	840
475 caaatgtttt	ttctatgttt	taggtgctt	gagatgtca	cggcgttgac	ccagagtcac	900
477 aggagaaaattc	tggagtgtgg	gatgttagga	gaggacgtt	gttacttaaa	cctaattgcga	960
479 aaagtcacgc	gtggggtgtg	gcagaagacg	ccaaccacaa	gttggttatt	gtttactca	1020
481 actgggatga	cggaaagccg	gtttgtatg	agacatggtt	cagggtggcg	gtgtcaagcg	1080
483 attccttgc	atattcggat	atggggaaaac	ttaagacgct	cacgtctgc	agtccaaatg	1140
485 gtgagccacc	ggagccta	gccaaagtaa	ttttggtcga	ttgtgttccc	gttgtggaa	1200
487 aaacgaagga	gattatcgaa	aaggttaagt	ctgcatttgg	ttatgctct	tgcatttttag	1260
489 gtgttcgtcg	ctcttccatt	tccatgaata	gctaagattt	ttttctctg	cattcattct	1320
491 tcttcctca	gttctaactg	tttgggtat	ttttgtttta	attattgcta	caggtaaact	1380
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498 <211> LENGTH: 1159

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502 <213> ORGANISM: Artificial Sequence

506 <220> FEATURE:

508 <223> OTHER INFORMATION: genetically engineered sequence containing fragment derived from

509 Arabidopsis thaliana

511 <400> SEQUENCE: 18

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516 ttatgtattt	ttcctaatta	actgaaccaa	aattatacaa	accaggat	ctgaaaaatt	180
518 tggttgcatt	gataaaaga	aacatgaatg	cgccggattt	gacagggaca	attgacattt	240
520 aggatactgc	atctctgg	gttggaaat	tttggattt	gtatgttgc	aaggaattt	300
522 gtggaaacgaa	cgaaatgacc	atgacaaggg	agagcttctc	caggtaagga	cttctcatga	360
524 atattagtgg	cagattagt	ttgttaaagt	cttggattt	ataatcgat	cctcctaatt	420
526 gtccatgttt	tactgtttt	ctacaattaa	aggtggctt	cgaaacaaga	gtcatctaca	480
528 gtggtcagt	tagcgactt	taactttgt	gattgccgg	cagtagatga	gtacaagcat	540

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L:27 M:271 C: Current Filing Date differs, Replaced Current Filing Date